

Designed for BACnet and Bluetooth Integration

UNOslim

Model: UNO-M

Delta P/N: DSUBDE-UNO-0008

- Design – Sleek, minimalist integration for any space.
- Precision Monitoring – Key metrics including PM1, PM2.5, PM10, TVOC, CO_2, humidity, and temperature.
- Reliable and Replaceable Sensors – Particulate and TVOC sensor modules that can be easily replaced.
- Real-Time Insights – LED matrix with automatic screen-off when not in use.
- Flexible Connectivity – Supports BACnet MS/TP and Modbus RTU protocols.
- Effortless Multi-Sensor Management – Use NFC technology for quick pairing and adjustments with a simple tap.
- Works with WELL – Meets both IAQ and thermal standards for WELL certification.

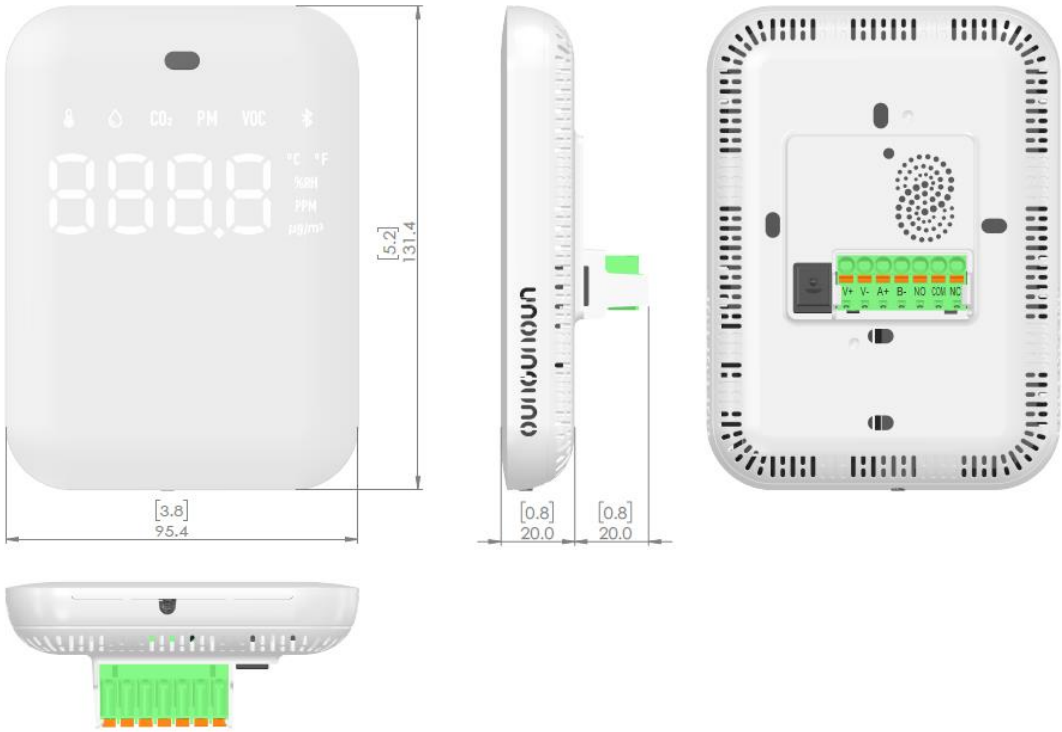
System Specifications

Enclosure	Material	Plastic PC
	Dimensions	132 mm x 96mm x 20 mm
Operation Information	Power supply source	24VAC (Full-wave*), 12-24VDC
	Installation	UL Listed One-gang box, ABB Hafobox, CN 86 Box for wall mounting
Operating Environment	Temperature	0 to 50°C (32 to 122°F)
	Humidity	0-95%RH non-condensing
Wireless Connectivity	Bluetooth	BLE 5.2, Bluetooth Mesh 1.1
Protocol Output	Protocol	BACnet MS/TP or Modbus RTU
	Connection	2-wire RS-485 no isolation
	Data Rate for BACnet	9600, 19200, 38400, 76800, Auto (Selectable via NFC App)
	Data Rate for Modbus	9600, 19200, 38400, 57600, 115200 (Selectable via NFC App)
Relay Set-point	Type	Solid-state output, 1A@30 VDC, N.O. and N.C.
	Source	CO_2, TVOC, PM2.5. Humidity, Temperature and 1BI (Choose one of setpoint)
	Polarity	N.O.

Sensor Specifications

CO_2	Type	Acoustic Non-dispersive infrared (NDIR)
	Accuracy	±30ppm +3% of reading (over 400ppm to 5000ppm)
	Resolution	1ppm
	Range	400-9999ppm
	Response time T63%	90s
	Sample rate	60s (Default) (Programmable to 6s)
Relative Humidity	Type	Digital CMOS
	Accuracy	± 5%RH over 5 to 95%RH range
	Resolution	1%RH
	Response time T63%	30s
	Sample rate	3s
	Operating range	0-100%RH
	Operating conditions	-10-60 °C
Temperature Transmitter	Type	Digital CMOS (Onboard) / NTC Thermistor (Optional)
	Accuracy	±0.5°C (±0.9°F) (operating range)
	Resolution	0.1°C
	Range	0-50°C
	Response Time	30s
	Sample rate	1s
TVOC	Type	Metal oxide semiconductor
	Gas	Total VOC
	Accuracy	±20µg/m^3 +15% of reading (over 1-500µg/m^3 range)
	Resolution	1µg/m^3
	Range	1-7000µg/m^3
	Response time	10s
	Sample rate	1s
	Output	1-7000µg/m^3

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PMx	Type Size Range Scale Resolution Lower detection limit Response time Precision	Optical PM1.0, PM2.5, PM10 1-1000μg/m^3 1 μg/m^3 0.3μm 3min (Default) (Programmable to 10s) ±5μg/m^3 + 20% of reading (over 1-100μg/m^3 range) ±25% of reading (over 101-500μg/m^3 range)
Compliance	Agency Standards	CE, RoHS This product is aligned with the WELL Building StandardTM Facilitates compliance with ASHRAE 62.1 standard for air quality Contributes toward satisfying Feature A08 and T06 under WELL Building Standards®
Dimensions	132 mm x 96mm x 20 mm 	
Warning	**Wiring Precautions** This product employs full-wave rectification. When operating in a 24 VAC environment and connected to the same RS-485 bus as devices that use half-wave rectification, it is necessary to power this product from an independent power supply. Failure to do so **will result in communication abnormalities and may cause permanent damage to the devices or transformers.**	
Remarks	Product performance can be influenced by both installation and environmental factors. Recommend adhering to the installation guide to ensure optimal results.	

2026/07

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